FIG. 1

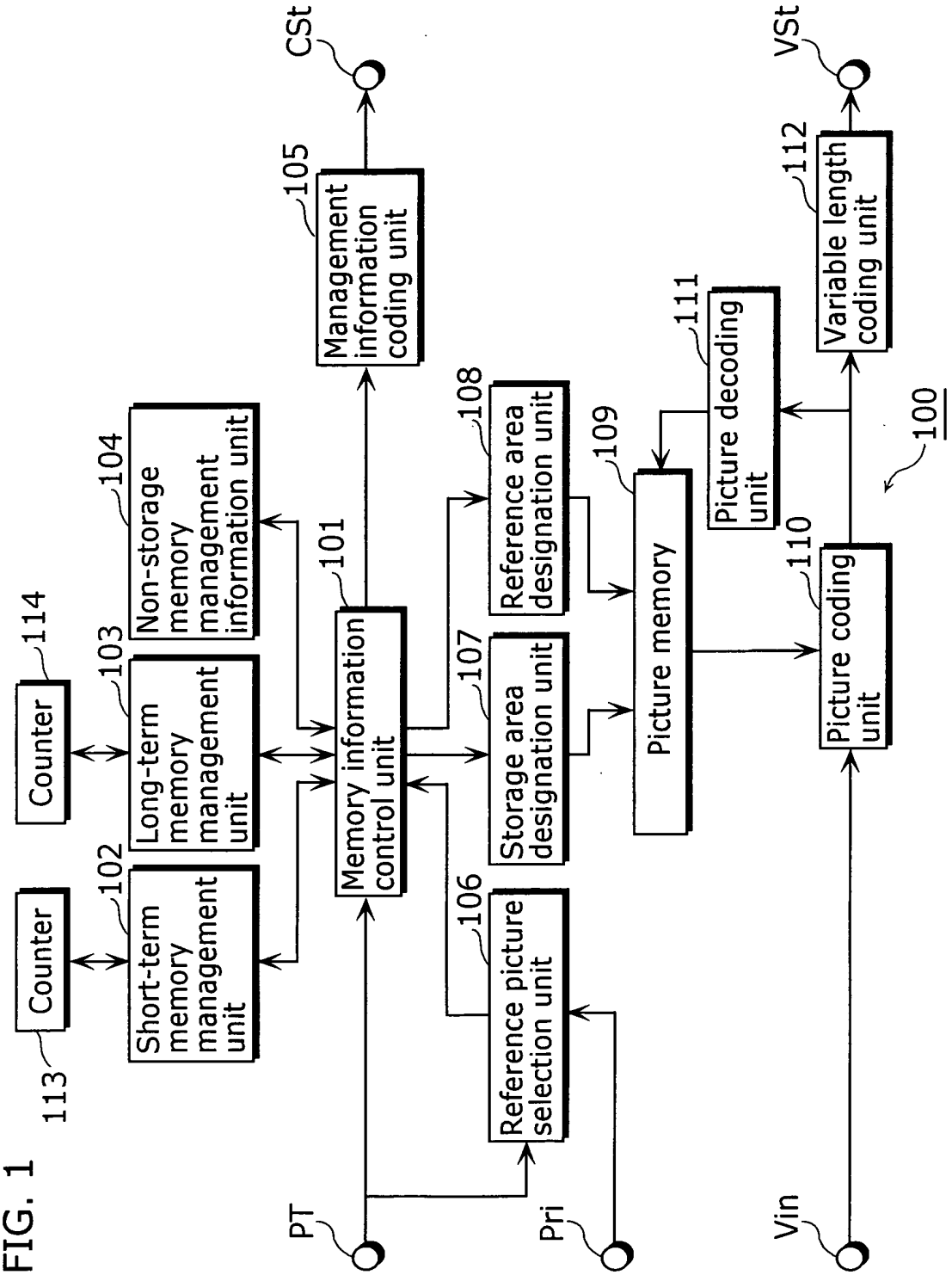

CSt
VSt
105
Management information coding unit
112
Variable length coding unit
104
Non-storage memory management information unit
111
Picture decoding unit
108
Reference area designation unit
109
Picture memory
114
Counter
103
Long-term memory management unit
101
Memory information control unit
107
Storage area designation unit
110
Picture coding unit
100
Counter
102
Short-term memory management unit
106
Reference picture selection unit
113
PT
Pri
Vin

FIG. 2A

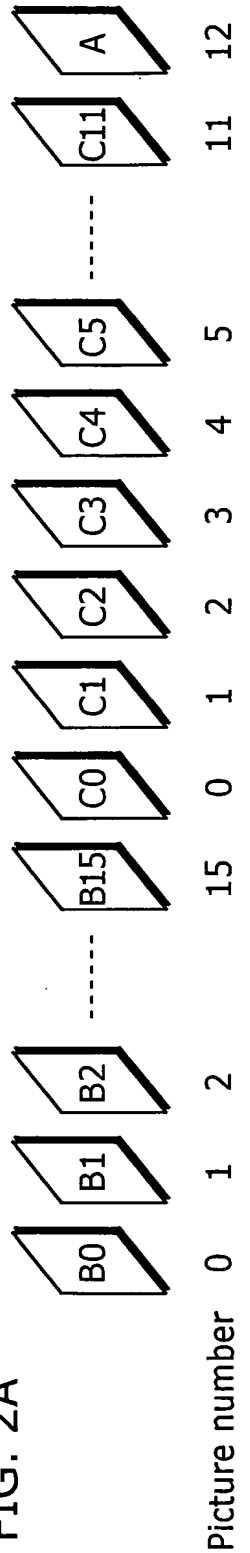

B0
B1
B2
B15
C0
C1
C2
C3
C4
C5
C11
A
Picture number
0
1
2
15
0
1
2
3
4
5
11
12

FIG. 2B

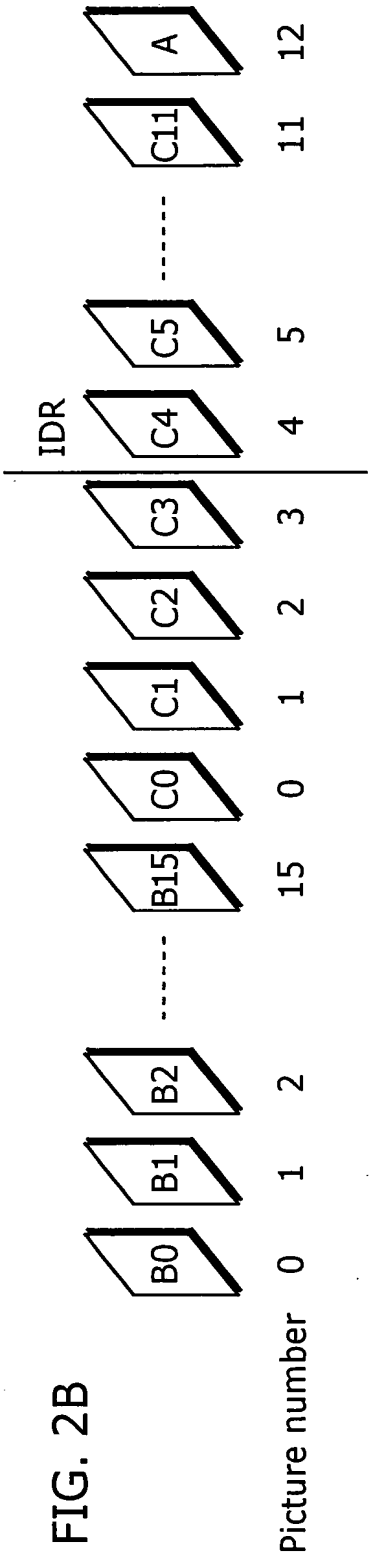

IDR
B0
B1
B2
B15
C0
C1
C2
C3
C4
C5
C11
A
Picture number
0
1
2
15
0
1
2
3
4
5
11
12

FIG. 3

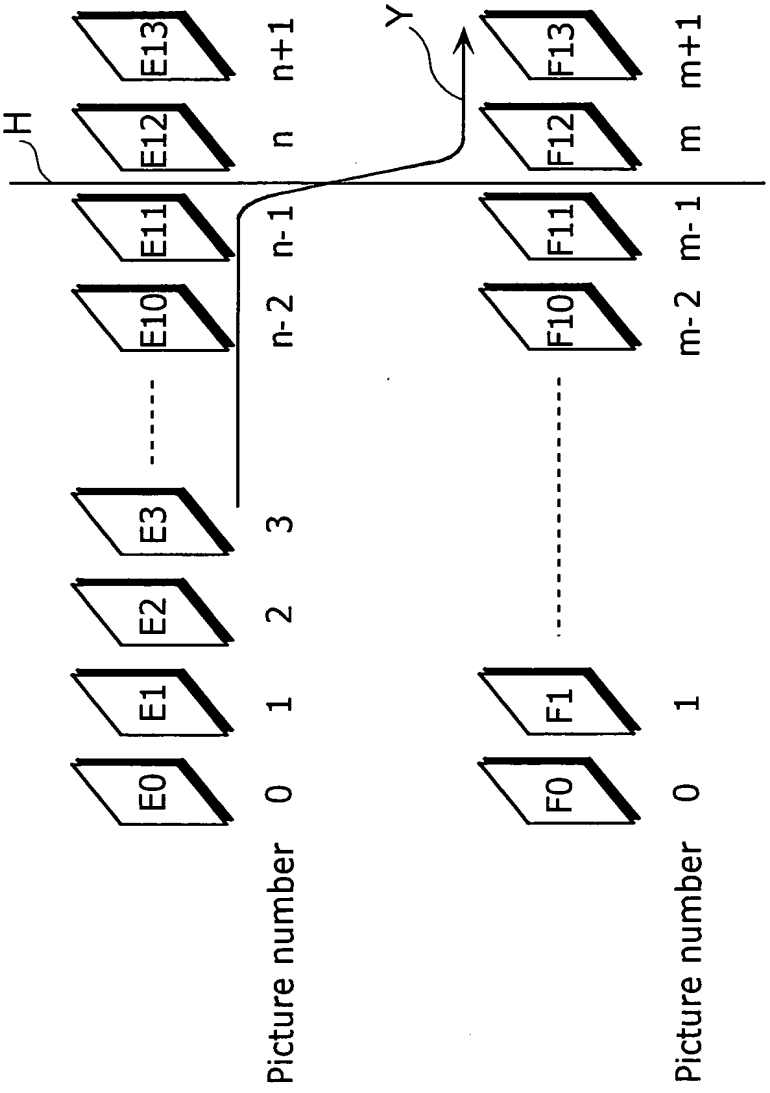

H
Y
E0
E1
E2
E3
E10
E11
E12
E13
F0
F1
F10
F11
F12
F13
0
1
2
3
n-2
n-1
n
n+1
m-2
m-1
m
m+1
Picture number
Picture number

FIG. 4

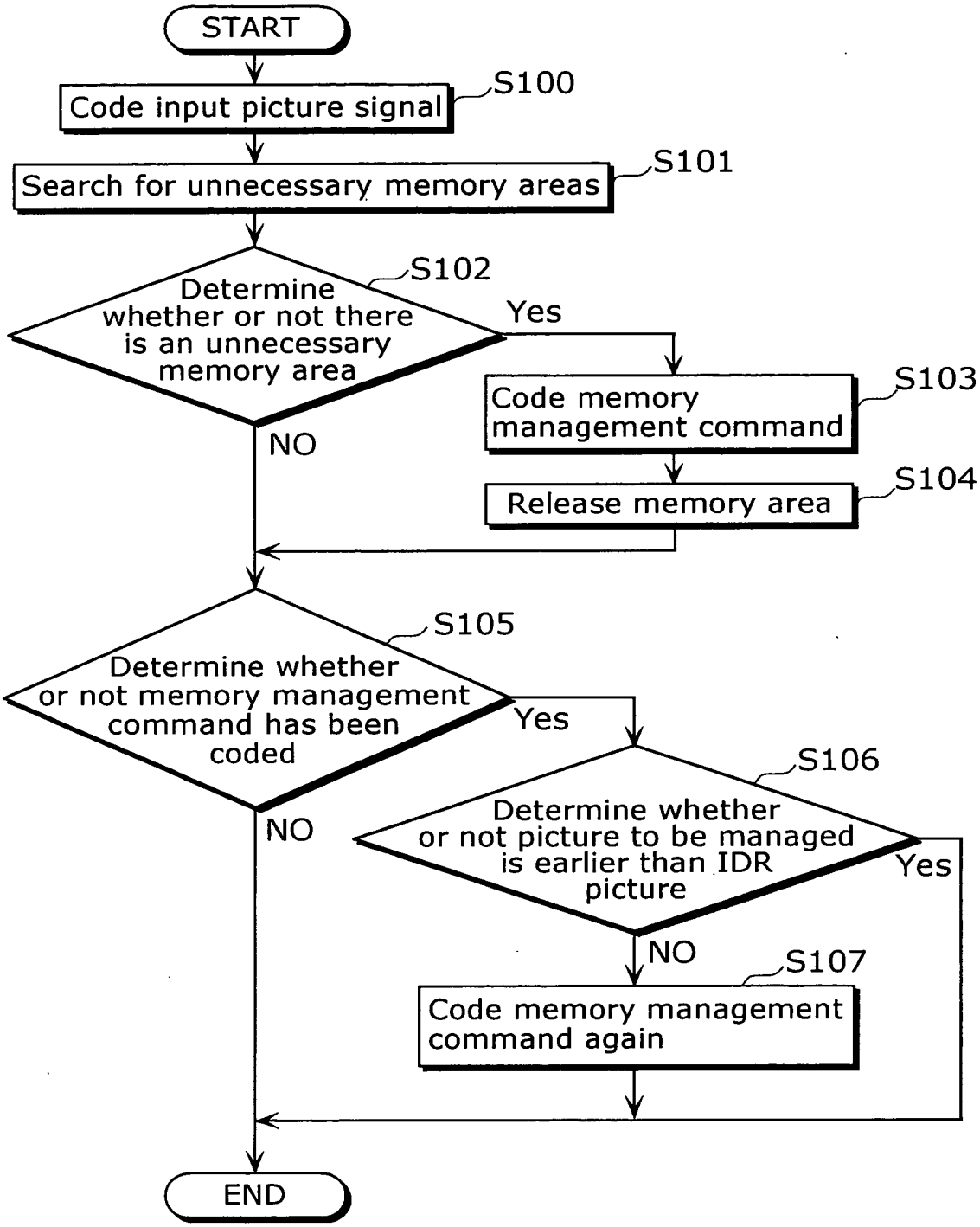

START
Code input picture signal
S100
Search for unnecessary memory areas
S101
Determine whether or not there is an unnecessary memory area
S102
Yes
NO
Code memory management command
S103
Release memory area
S104
Determine whether or not memory management command has been coded
S105
Yes
NO
Determine whether or not picture to be managed is earlier than IDR picture
S106
Yes
NO
Code memory management command again
S107
END

FIG. 5

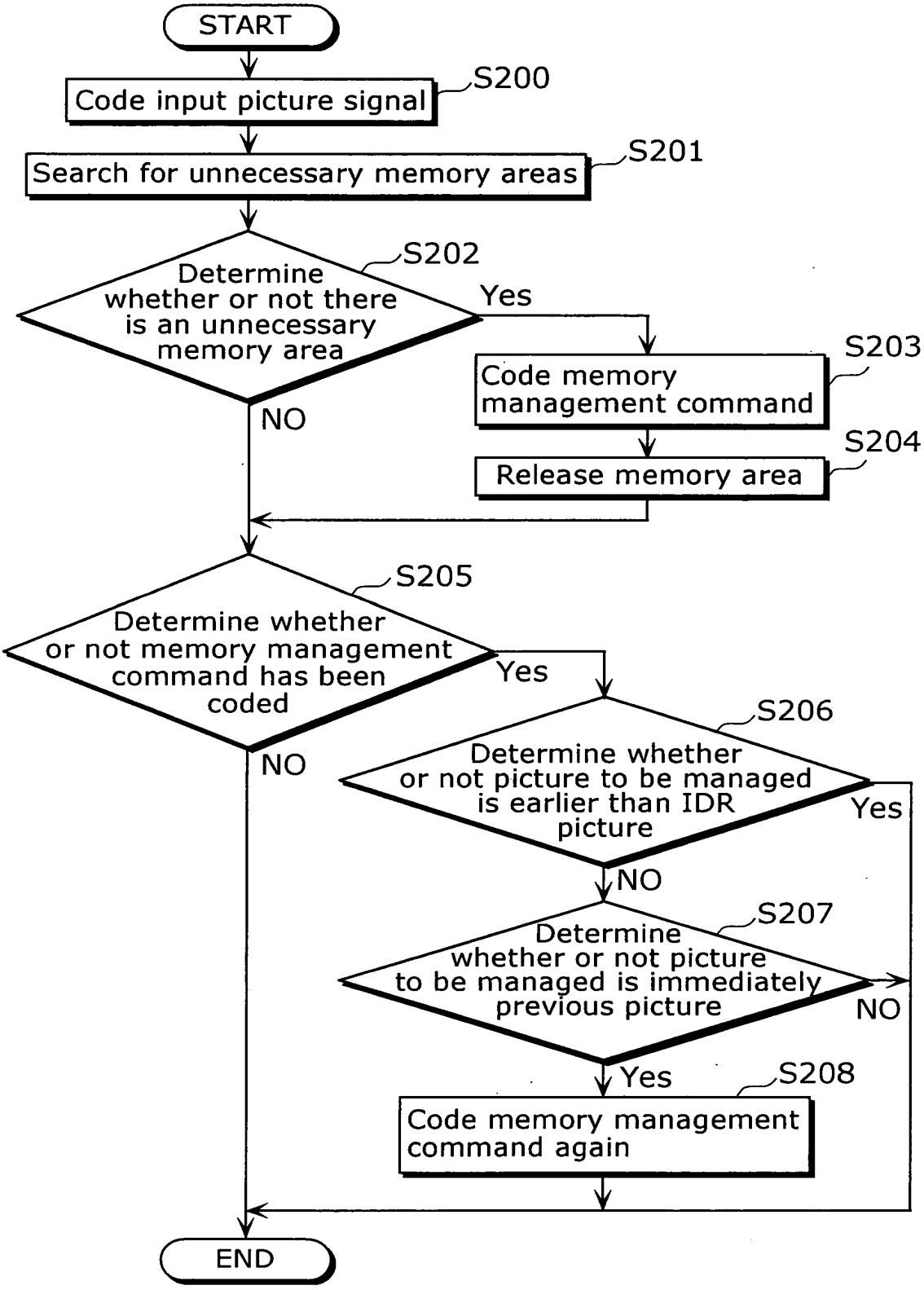

START
Code input picture signal
S200
Search for unnecessary memory areas
S201
Determine whether or not there is an unnecessary memory area
S202
Yes
NO
Code memory management command
S203
Release memory area
S204
Determine whether or not memory management command has been coded
S205
Yes
NO
Determine whether or not picture to be managed is earlier than IDR picture
S206
Yes
NO
Determine whether or not picture to be managed is immediately previous picture
S207
NO
Yes
Code memory management command again
S208
END

FIG. 6

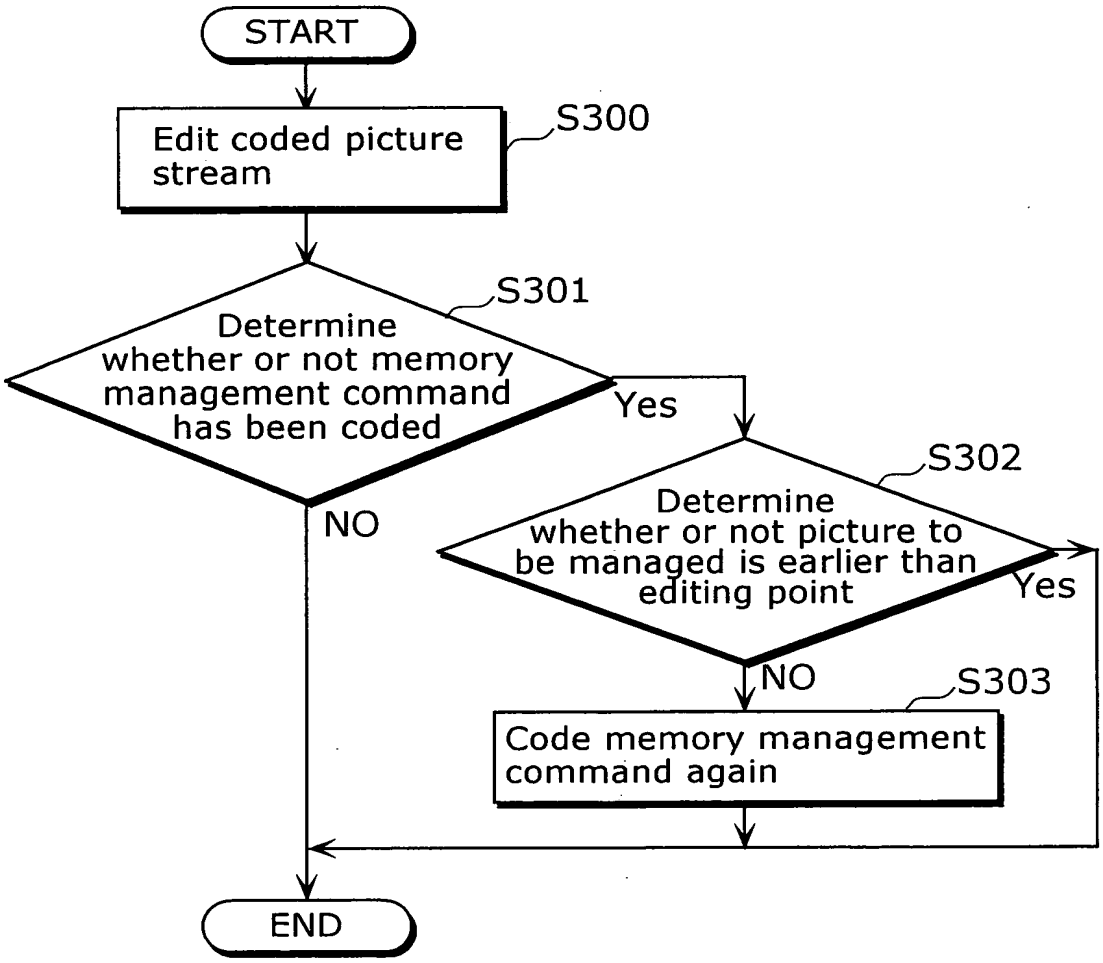

START
Edit coded picture stream
S300
Determine whether or not memory management command has been coded
S301
Yes
NO
Determine whether or not picture to be managed is earlier than editing point
S302
Yes
NO
Code memory management command again
S303
END

FIG. 7

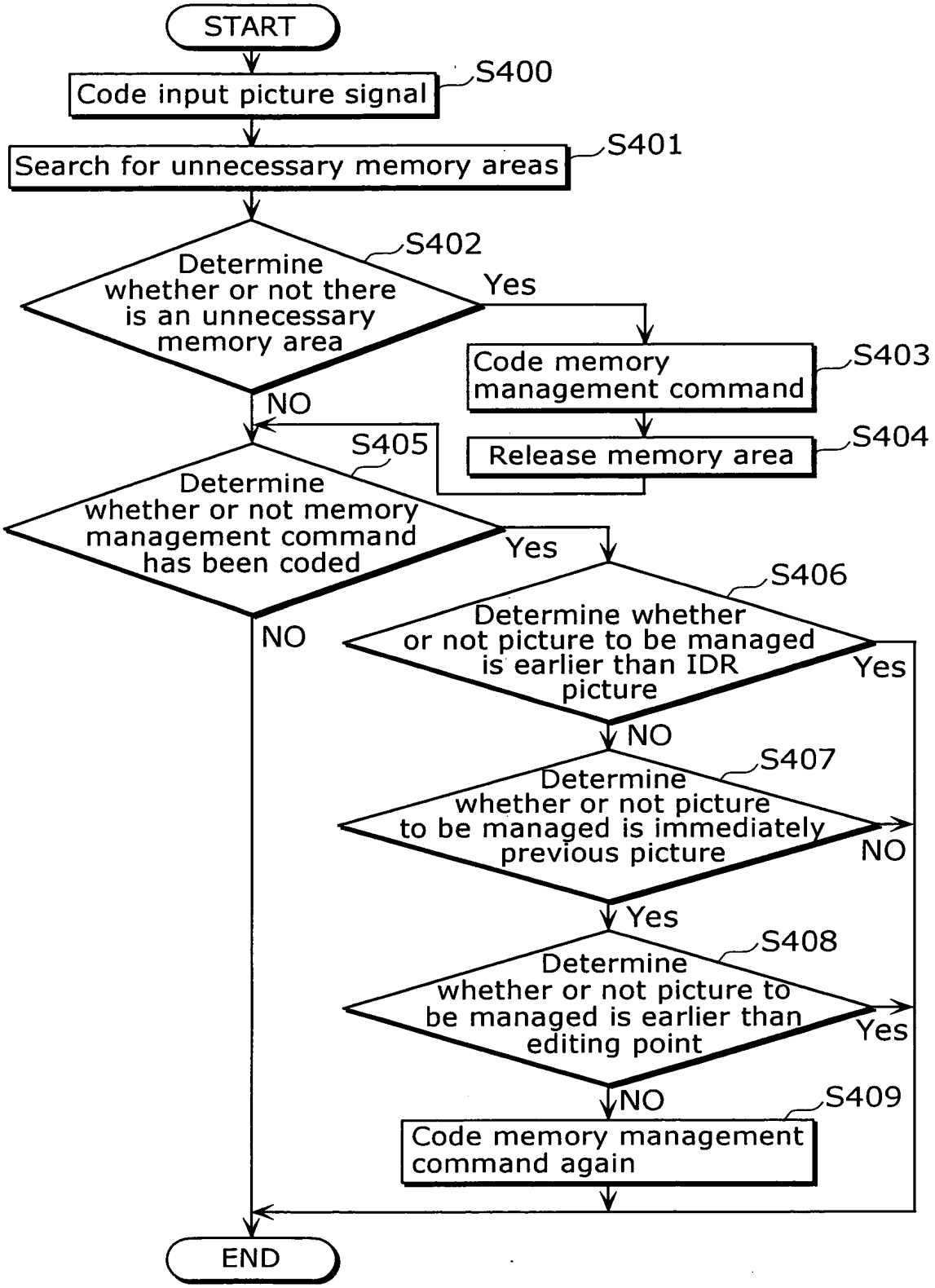

START
Code input picture signal
S400
Search for unnecessary memory areas
S401
Determine whether or not there is an unnecessary memory area
S402
Yes
NO
Code memory management command
S403
Release memory area
S404
Determine whether or not memory management command has been coded
S405
Yes
NO
Determine whether or not picture to be managed is earlier than IDR picture
S406
Yes
NO
Determine whether or not picture to be managed is immediately previous picture
S407
NO
Yes
Determine whether or not picture to be managed is earlier than editing point
S408
Yes
NO
Code memory management command again
S409
END

FIG. 8

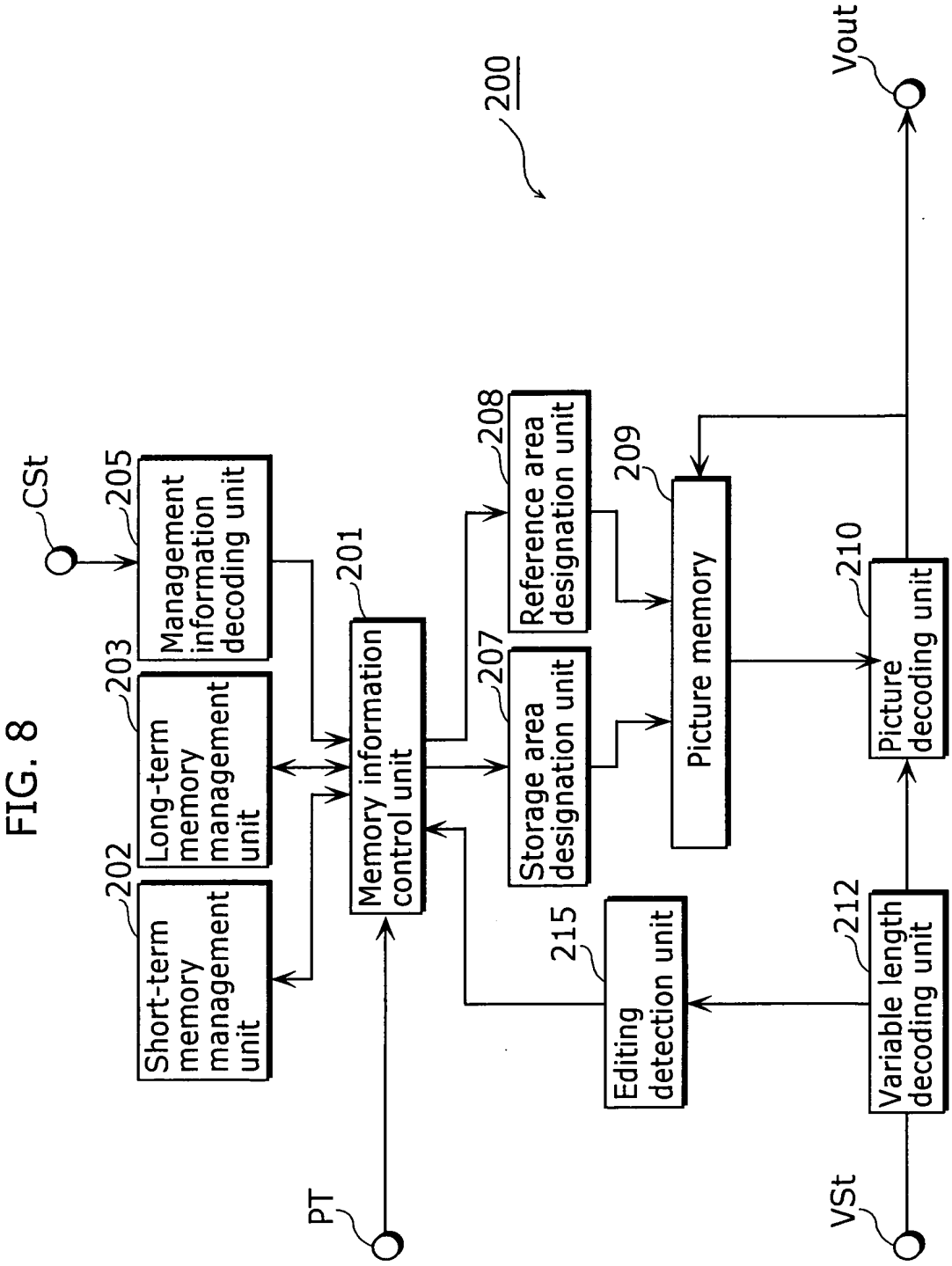

200
CSt
205
Management information decoding unit
203
Long-term memory management unit
202
Short-term memory management unit
201
Memory information control unit
208
Reference area designation unit
207
Storage area designation unit
209
Picture memory
210
Picture decoding unit
Vout
215
Editing detection unit
212
Variable length decoding unit
PT
VSt

FIG. 9

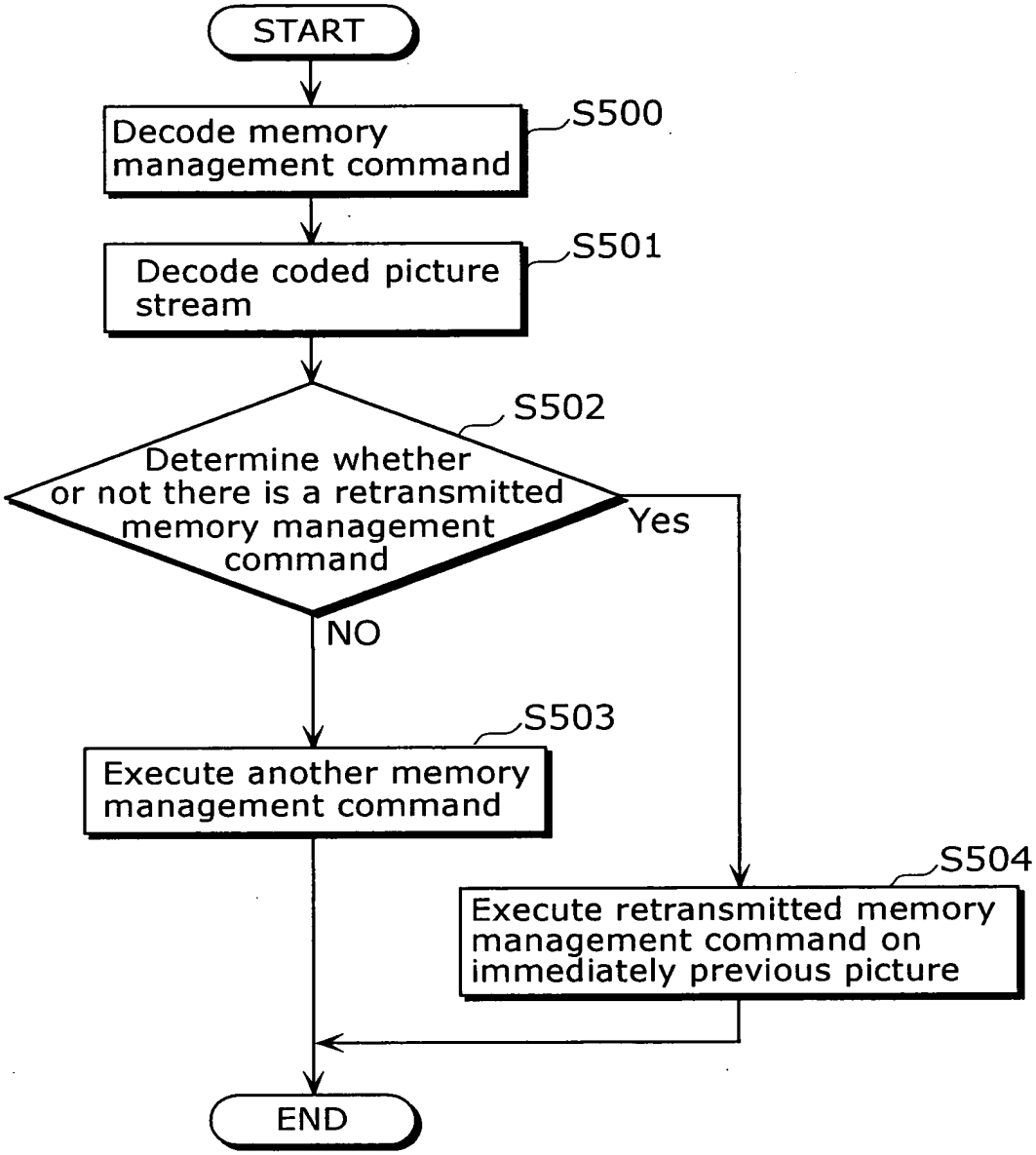

START
Decode memory management command
S500
Decode coded picture stream
S501
Determine whether or not there is a retransmitted memory management command
S502
Yes
NO
Execute another memory management command
S503
Execute retransmitted memory management command on immediately previous picture
S504
END

FIG. 10

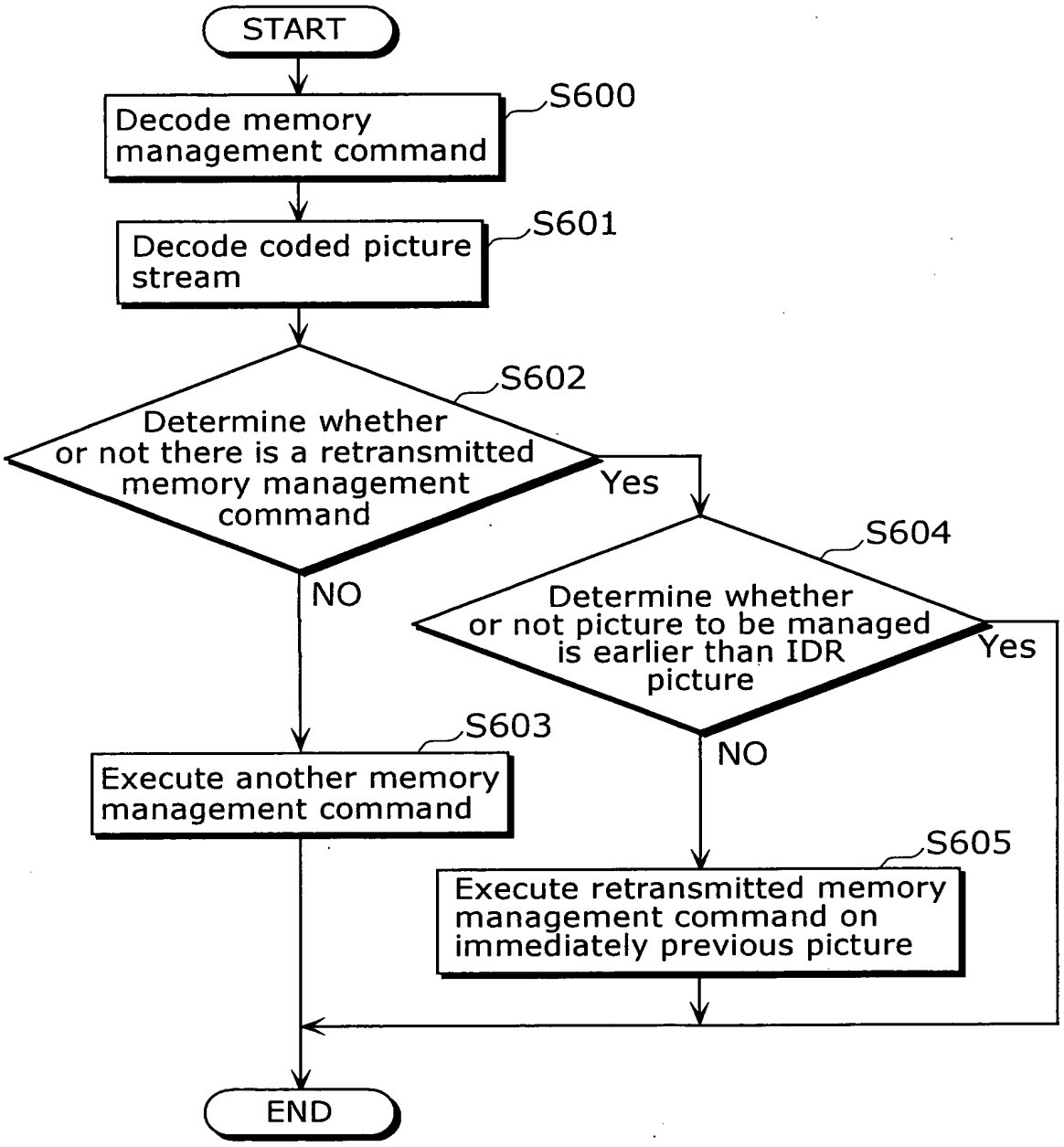

START
Decode memory management command
S600
Decode coded picture stream
S601
Determine whether or not there is a retransmitted memory management command
S602
Yes
NO
Determine whether or not picture to be managed is earlier than IDR picture
S604
Yes
NO
Execute another memory management command
S603
Execute retransmitted memory management command on immediately previous picture
S605
END

FIG. 11

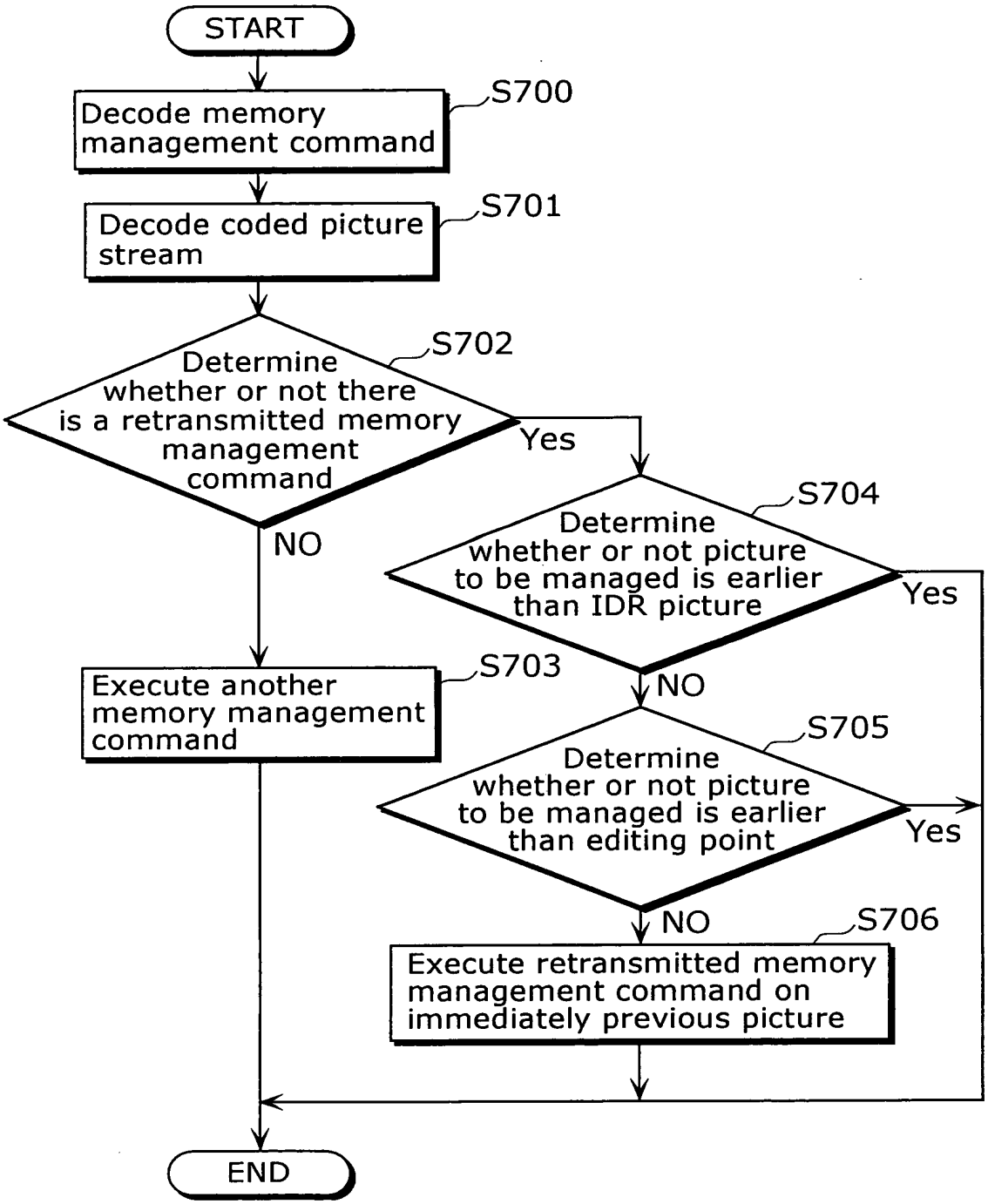

START
Decode memory management command
S700
Decode coded picture stream
S701
Determine whether or not there is a retransmitted memory management command
S702
Yes
NO
Determine whether or not picture to be managed is earlier than IDR picture
S704
Yes
NO
Execute another memory management command
S703
Determine whether or not picture to be managed is earlier than editing point
S705
Yes
NO
Execute retransmitted memory management command on immediately previous picture
S706
END

Fig. 12A

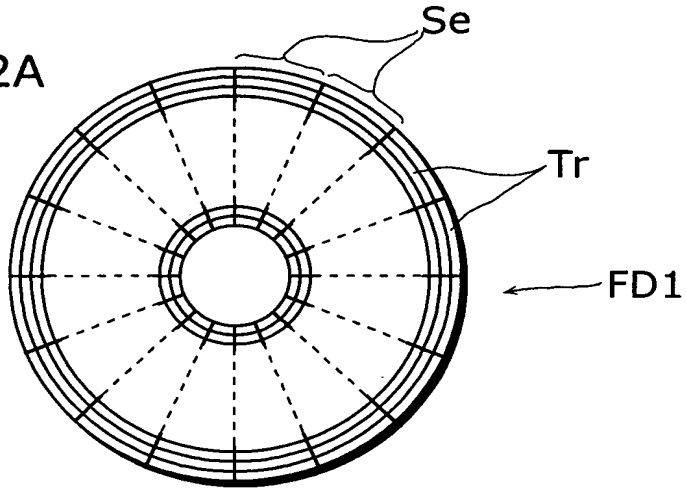


Fig. 12B

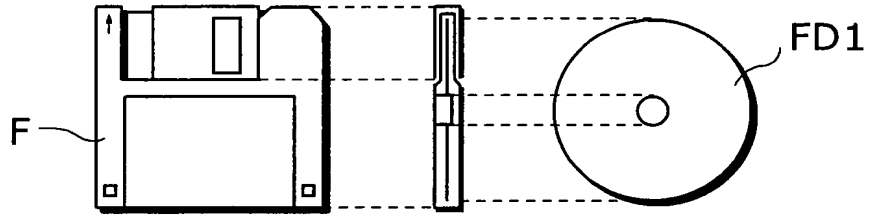
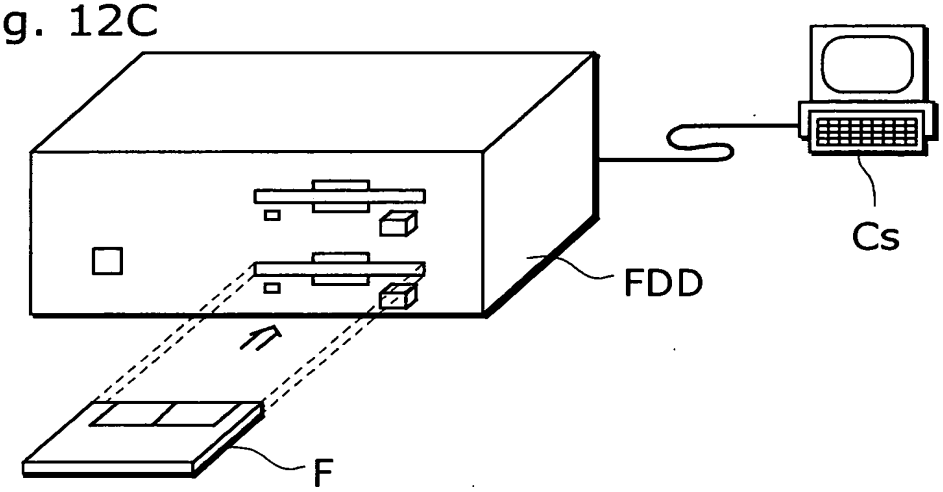


Fig. 12C



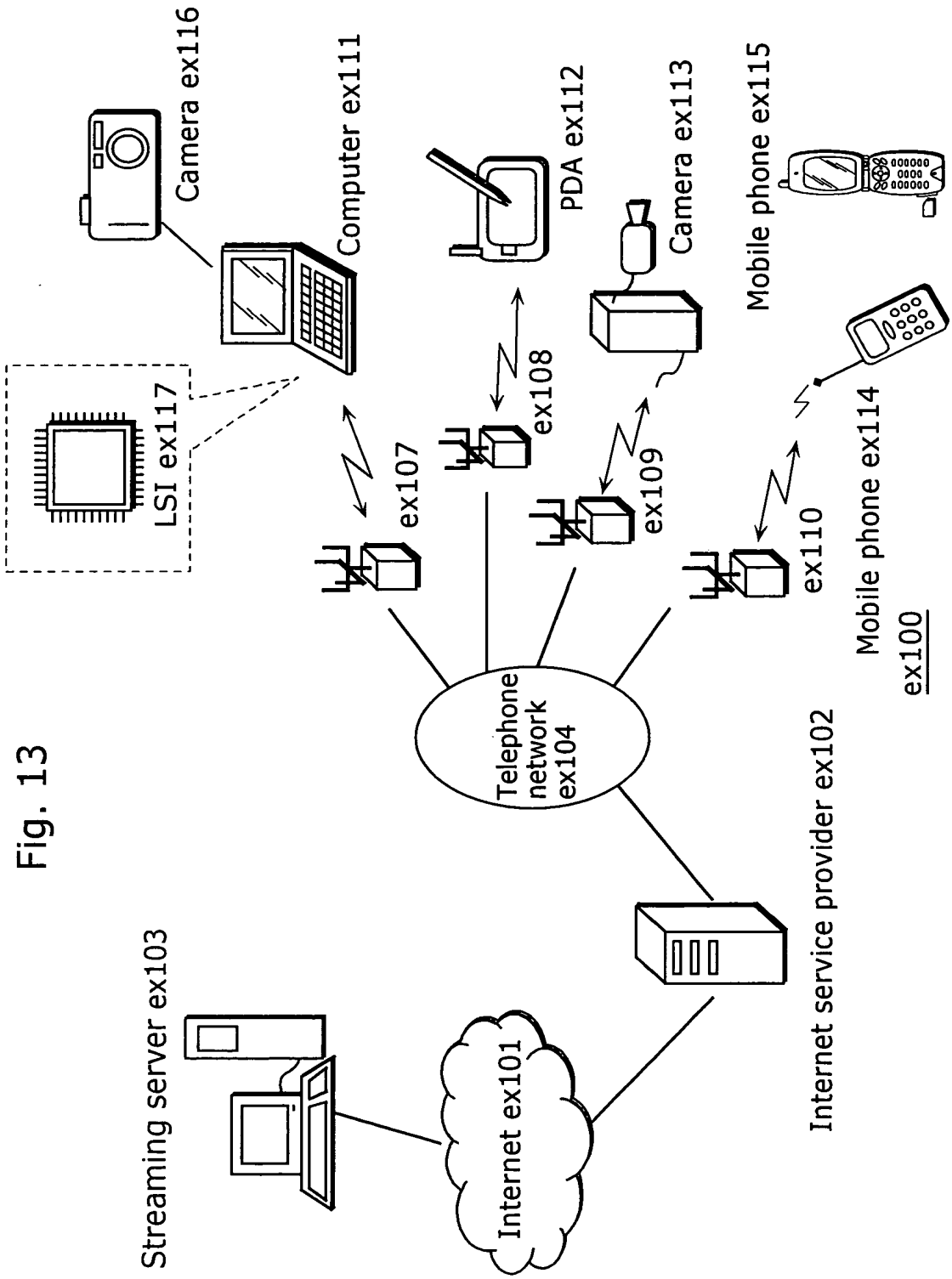

Camera ex116
Computer ex111
PDA ex112
Camera ex113
Mobile phone ex115
LSI ex117
ex107
ex108
ex109
ex110
Mobile phone ex114
Telephone network ex104
Internet service provider ex102
ex100
Streaming server ex103
Internet ex101

Fig. 13

Fig. 14

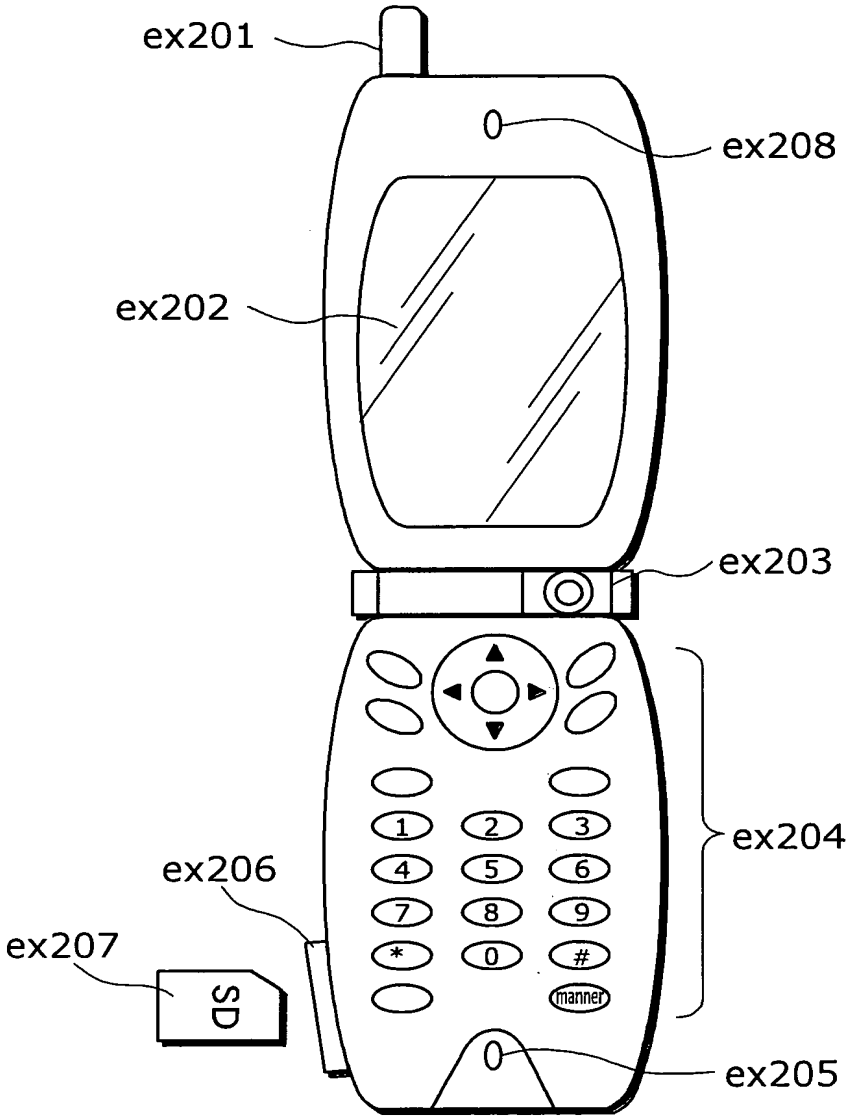

ex201
ex208
ex202
ex203
ex204
ex206
ex207
SD
ex205
ex115
1
2
3
4
5
6
7
8
9
*
0
#
manner

Fig. 15

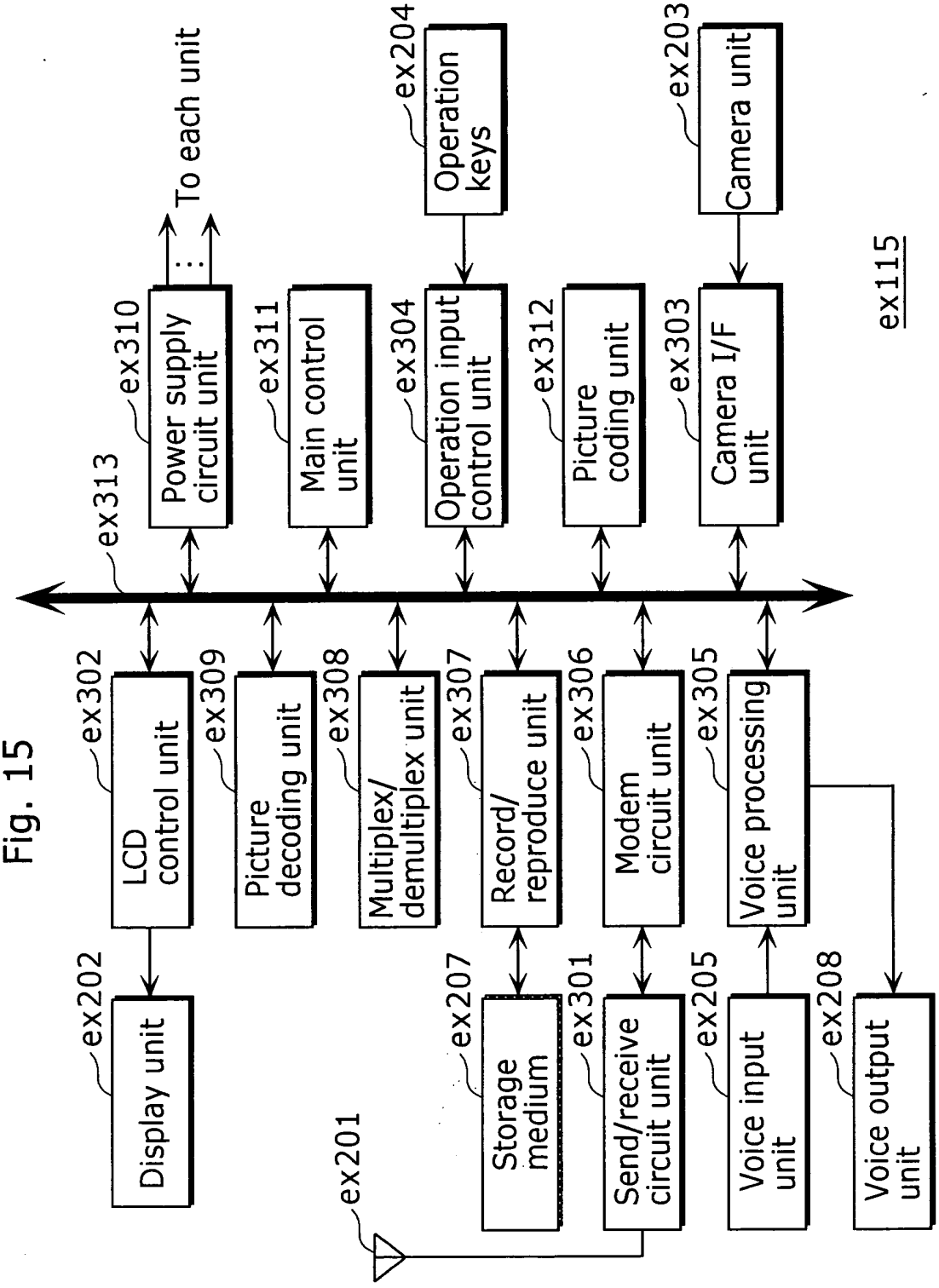
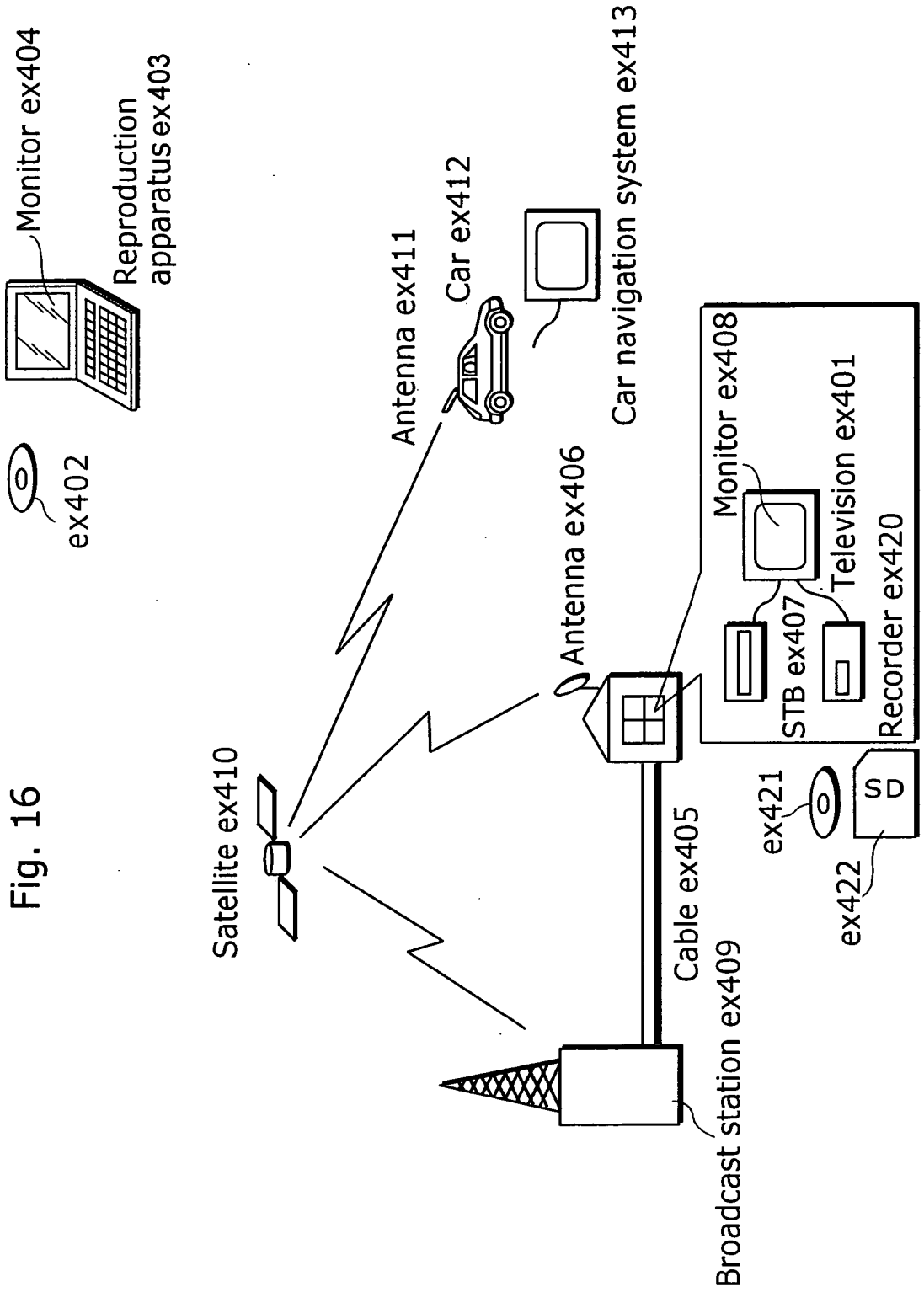

ex115
ex313
ex310
Power supply circuit unit
To each unit
ex311
Main control unit
ex304
Operation input control unit
ex204
Operation keys
ex312
Picture coding unit
ex303
Camera I/F unit
ex203
Camera unit
ex302
LCD control unit
ex309
Picture decoding unit
ex308
Multiplex/ demultiplex unit
ex307
Record/ reproduce unit
ex306
Modem circuit unit
ex305
Voice processing unit
ex202
Display unit
ex207
Storage medium
ex301
Send/receive circuit unit
ex205
Voice input unit
ex208
Voice output unit
ex201

Fig. 16


Monitor ex404
Reproduction apparatus ex403
ex402
Antenna ex411
Car ex412
Car navigation system ex413
Antenna ex406
Monitor ex408
Television ex401
STB ex407
Recorder ex420
Satellite ex410
Cable ex405
ex421
SD
ex422
Broadcast station ex409